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UIILIII	Attorney Docket No.		D 20	
PATENT APPLICATION F	First Inventor or Applica		Ranta, John F.	E
TRANSMITTAL F	Title Methods  Express Mail Label No.		atus for simulating 323451593US	156
APPLICATION ELEMENTS See MPEP chapter 600 concerning utility patent application contents.	ADDRES	Assistan	t Commissioner for Patents ent Application ton, DC 20231	(S)
* Fee Transmittal Form (e.g., PTO/SB/17) (Submit an original and a duplicate for fee processing)	5. Micro		Program (Appendix)	7
Specification [Total Pages 20   20   Constitution   20   20   20   20   20   20   20   2		and/or Amino Acole, all necessary,  Computer Rea		
<ul> <li>Cross References to Related Applications</li> <li>Statement Regarding Fed sponsored R &amp; D</li> </ul>	b		dentical to computer copy)	
Reference to Microfiche Appendix     Background of the Invention	c	<u> </u>	ifying identity of above copies	_
- Brief Summary of the Invention			PPLICATION PARTS	┨
- Brief Description of the Drawings (if filed)	`		cover sheet & document(s))	
- Detailed Description		.F.R.§3.73(b) Sta en there is an ass		
- Claim(s)	9 Engli	ish Translation D	ocument (if applicable)	
- Abstract of the Disclosure  Drawing(s) (35 U.S.C. 113) [Total Sheets 5]		mation Disclosure		
. Oath or Declaration [Total Pages	- I	minary Amendme		
a. Newly executed (original or copy)	(Sho	rn Receipt Postc	•	
b. Copy from a prior application (37 C.F.R. § (for continuation/divisional with Box 16 completed i. DELETION OF INVENTOR(S) Signed statement attached deletin	13. State (PTO		Statement filed in prior applicatio Status still proper and desired rity Document(s)	n,
inventor(s) named in the prior applic see 37 C.F.R. §§ 1.63(d)(2) and 1.3	ation, (if for	reign priority is cla		
*NOTE FOR ITEMS 1 & 13: IN ORDER TO BE ENTITLED TO PAY SMALL ENTITY STATEMENT IS REQUIRED (37 C.F.R. § 1.27), EX	NTITY I'S LY	r: Data	Cheet	

Prior application information: Examiner Group / Art Unit: For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 4b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts. CORRESPONDENCE ADDRESS 021253 Customer Number or Bar Code Label Correspondence address below (Insert Customer No. or Attach bar code label here) Charles G. Call Name astem atem(s **Patent Attorney** Address 53 Saint Stephen Street **Boston** MA Zip Code 702115 City State U.S.A. (617) 266-2925 Telephone (508) 629-6540 Country Fax

Name (Print/Type) 20,406 Charles 3 Registration No. (Attorney/Agent) 2001 Signature Date 10 Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents,

Box Patent Application, Washington, DC 20231.

<b>FEE TRANS</b>		Compl t if Kn wn				
		Application Number				
for FY 2	2000	Filing Date				
Patent fees are subject to a	nnual revision.	First Named Inventor	Ranta, John F.			
Small Entity payments <u>must</u> be supported by a small entity statement, otherwise large entity fees must be paid. See Forms PTO/SB/09-12.		Examiner Name				
See 37 C.F.R. §§ 1.27	· -	Group / Art Unit				
TOTAL AMOUNT OF PAYMENT	(\$) 478	Attorney Docket No.	B-26			

METHOD OF PAYMENT (check one)	FEE CALCULATION (continued)							
1. The Commissioner is hereby authorized to charge								
indicated fees and credit any overpayments to:	Large E Fee	Large Entity Small Entity				Description	n	Fee Paid
Deposit Account	Code 105 1	( <b>\$)</b> 130	Code 205	в (\$) 65		•		ree raid
Number				25	Surcharge - late Surcharge - late	• .		
Deposit Account	127	50	227	25	cover sheet.	provisionarii	ing loc of	
Name	139 1	130	139	130	Non-English spe	cification		
Charge Any Additional Fee Required Under 37 CFR §§ 1.16 and 1.17	147 2,	520		2,520	For filing a reque			
2. Payment Enclosed:	112 9	920*	112	920*	Requesting publi Examiner action		prior to	
Check Money Other	113 1,	840*	113	1,840*	Requesting publi Examiner action	ication of SIR	after	
FEE CALCULATION	115 1	110	215	55	Extension for reply within first month			
1. BASIC FILING FEE	116 3	380	216	190	Extension for rep	•		
Large Entity Small Entity	117 8	370	217	435	Extension for rep	oly within third	d month	
Fee Fee Fee Fee Description	118 1,	360	218	680	Extension for rep	oly within four	th month	
404 600 204 245 DEED GEORGE	128 1,	850	228	925	Extension for rep	ly within fifth	month	
106 310 206 155 Design filing fee 370	119 3	300	219	150 ·	Notice of Appeal			
107 480 207 240 Plant filing fee	120 3	300	220	150	Filing a brief in s	upport of an	appeal	
108 690 208 345 Reissue filing fee	121 2	260	221	130	Request for oral hearing			
114 150 214 75 Provisional filing fee	138 1,	510	138	1,510	Petition to institu	te a public us	e proceeding	
	140 1	110	240	55	Petition to revive	- unavoidabl	е	
SUBTOTAL (1) (\$) 370		210	241	605	Petition to revive - unintentional			
2. EXTRA CLAIM FEES		210	242	605	Utility issue fee (	or reissue)		
Fee from Extra Claims below Fee Paid	143 4	130	243	215	Design issue fee			
Total Claims 32 -20** = 12 X 9 = 108	144 5	580	244	290	Plant issue fee			
Independent 2 - 3** = 0 X = 0	122 1	130	122	130	Petitions to the C	Commissione	-	
Multiple Dependent = 0	123	50	123	50	Petitions related	to provisiona	applications	
**or number previously paid, if greater; For Reissues, see below	126 2	240	126	240	Submission of In	formation Dis	closure Stmt	
Large Entity Small Entity Fee Fee Fee Fee Fee Description Code (\$) Code (\$)	581	40	581	40	Recording each property (times n			
103 18 203 9 Claims in excess of 20	146 6	590	246	345	Filing a submissi		rejection	<del> </del> -
102 78 202 39 Independent claims in excess of 3	149 6	390	249	345	(37 CFR § 1.129 For each addition		to be	
104 260 204 130 Multiple dependent claim, if not paid	ŀ				examined (37 CF	R § 1.129(b)	)	
109 78 209 39 ** Reissue independent claims over original patent	Other fee (specify)							
110 18 210 9 ** Reissue claims in excess of 20 and over original patent	Other fee (specify)							
SUBTOTAL (2) (\$) 108	SUBTOTAL (2) (\$) 108 • Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$) 0					0		
SUBMITTED BY						Complete (ii	applicable)	
Name (PrintlType) Charles Charles (Attorney/Agent) Registration No. (Attorney/Agent) 20,406 Telephone (617) 266-2925					-2925			
Signature Date October 3, 2001					3, 2001			

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